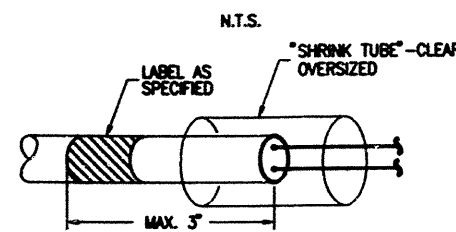


TYPICAL CABLE LABELING METHOD



- APPLY LABEL TO OUTER JACKET OF CABLE MAXIMUM OF 3" FROM STRIPPED END AS SHOWN NOT TO BE COVERED BY OVERSIZED SHRINK.
- DETAIL APPLIES TO ALL CABLE TYPES

CIRCUIT LEGEND:

CIRCUIT DESIGNATION
CABLE IDENTIFICATION TAG; LIGHT TEXT REPRESENTS EXISTING CABLE TAG TO REMAIN, HEAVY TEXT REPRESENTS THE TAG (BRADY LABEL #WML-305-292 O.A.E.) TO BE FURNISHED & INSTALLED.

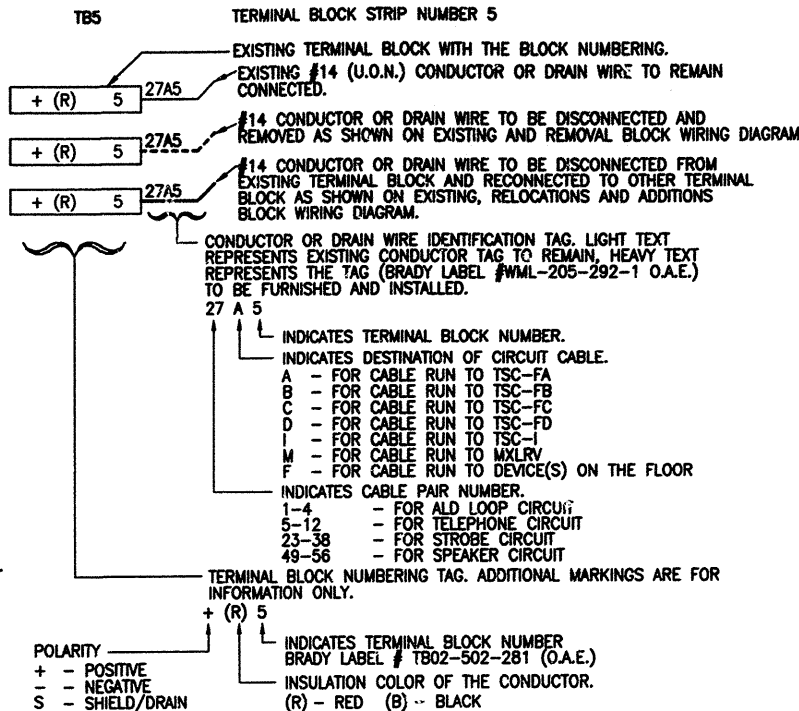
TYPE OF CIRCUIT:

- STR - STROBE CIRCUIT
- SPK - SPEAKER CIRCUIT
- ALD - ALD LOOP DEVICE CIRCUIT (EXCEPT SMOKE DETECTOR)
- TEL - TELEPHONE CIRCUIT
- SD - SMOKE DETECTOR CIRCUIT
- MPU - MAINTENANCE PHONE JACK CIRCUIT
- WP - WARDEN TELEPHONE CIRCUIT
- SJ - STAND PIPE PHONE JACK CIRCUIT

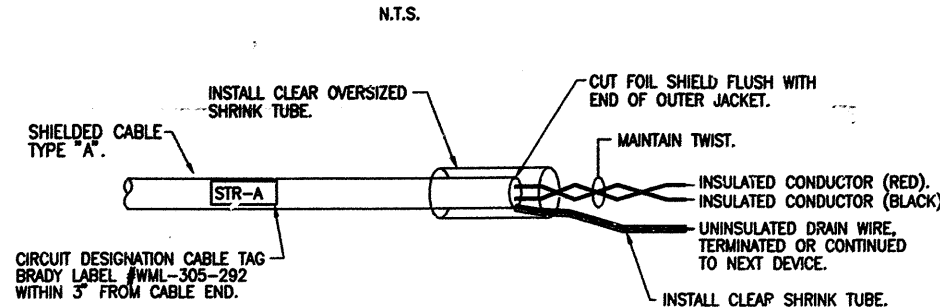
CIRCUIT NUMBER OR NAME:

- A TO G - STROBE OR SPEAKER CIRCUIT NUMBER
- ATC - CIRCUIT TO ADDRESSABLE TERMINAL STRIP CABINET
- PS - CIRCUIT TO PULL STATIONS
- ELEV - CIRCUIT TO ELEVATOR LOBBY AND ELEVATOR MACHINE ROOM SMOKE DETECTORS
- HVAC - CIRCUIT TO HVAC SMOKE DETECTOR
- AREA - CIRCUIT TO OPEN AREA SMOKE DETECTOR
- K - INTERFACE CABINET CIRCUIT
- TIB - TENANT INTERFACE BOX

TERMINATION LEGEND (EXISTING AND REMOVAL)



TYPICAL SHIELD/DRAIN INSULATING METHOD "A"



NOTES:

- FOR LEGEND, ABBREVIATIONS & GENERAL NOTES, SEE DWG E-1.
- ALL SHIELDS MUST BE ISOLATED FROM GROUND. APPROVED "SHRINK" TUBING SHALL BE USED ON ALL DRAIN CONDUCTORS. SEE TYPICAL SHIELD/DRAIN INSULATING METHOD "A" ON THIS DWG.
- ALL WIRING SHALL BE FREE OF GROUND FAULTS, OPENS, SHORTS & STRAY VOLTAGES.
- ALL WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.
- DISCONNECT AND COMPLETELY REMOVE CABLES FROM BOTH ENDS. ALL WORK SHALL BE DONE ON THE PRESENCE OF THE ENGINEER.
- DISCONNECT AND REMOVE FROM TSC CABINET, LEAVE COILED IN CEILING. MARK AS "UNUSED". ALL WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.

THE PORT AUTHORITY
OF NEW YORK AND
NEW JERSEY

ENGINEERING PROGRAM MANAGER
WORLD TRADE
CENTER
CHIEF ELECTRICAL ENGINEER

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF THE CONTRACT NO. 101-278 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE 2/1/00
DATE 2/1/00
CONTRACT ENGINEER
ENGINEERING PROGRAM MGR

No. Date Revision Approved

ENGINEERING DEPARTMENT

WORLD
TRADE
CENTER

ELECTRICAL

Title
FIRE ALARM SYSTEM
DEVICE UPGRADE
PHASE III
5 WTC 3rd, 4th, 5th & 6th FLOORS

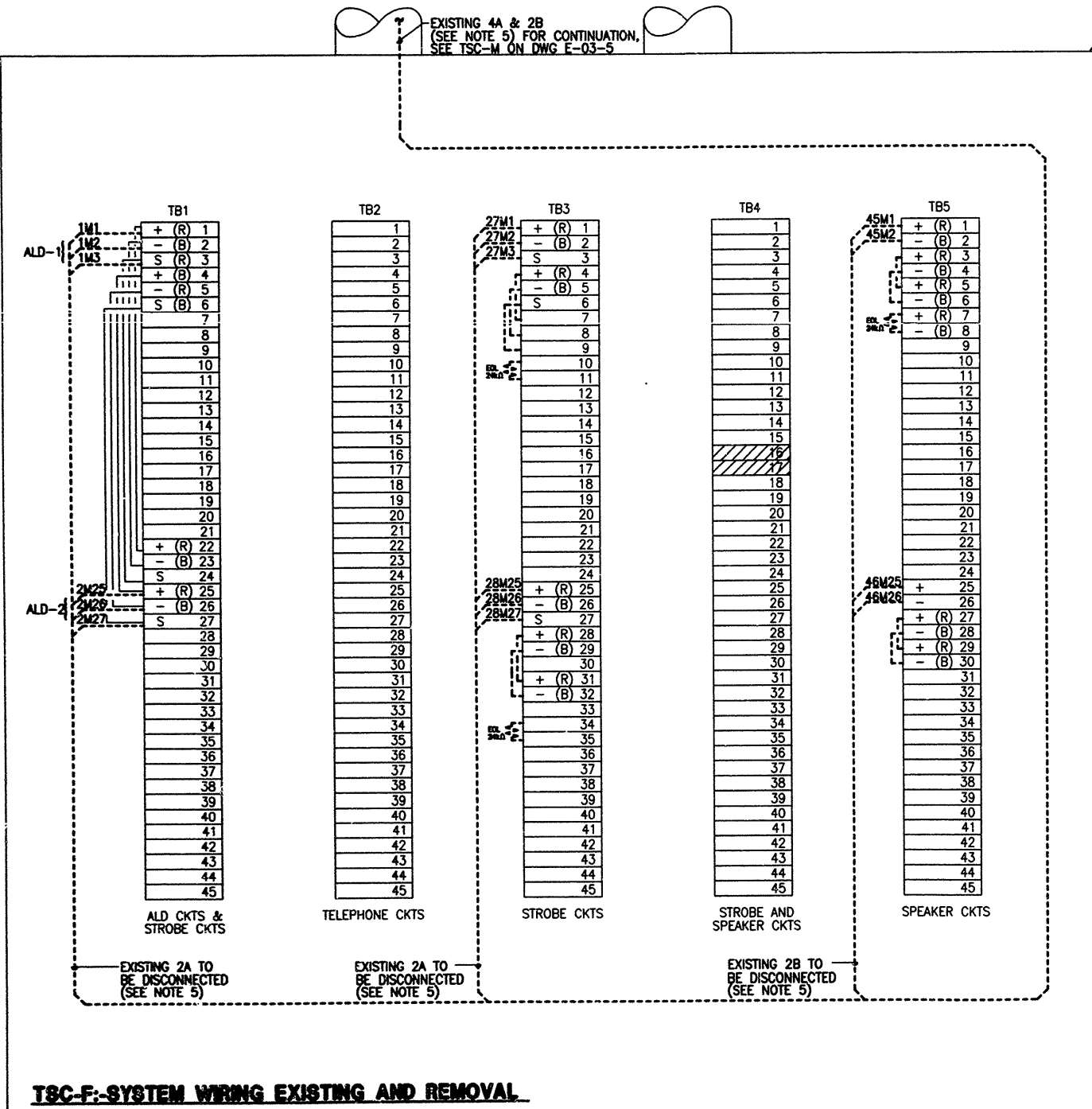
3rd FLOOR TSC-FA
BLOCK WIRING DIAGRAM
EXISTING AND REMOVAL

This drawing subject to conditions in Contract A. Inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

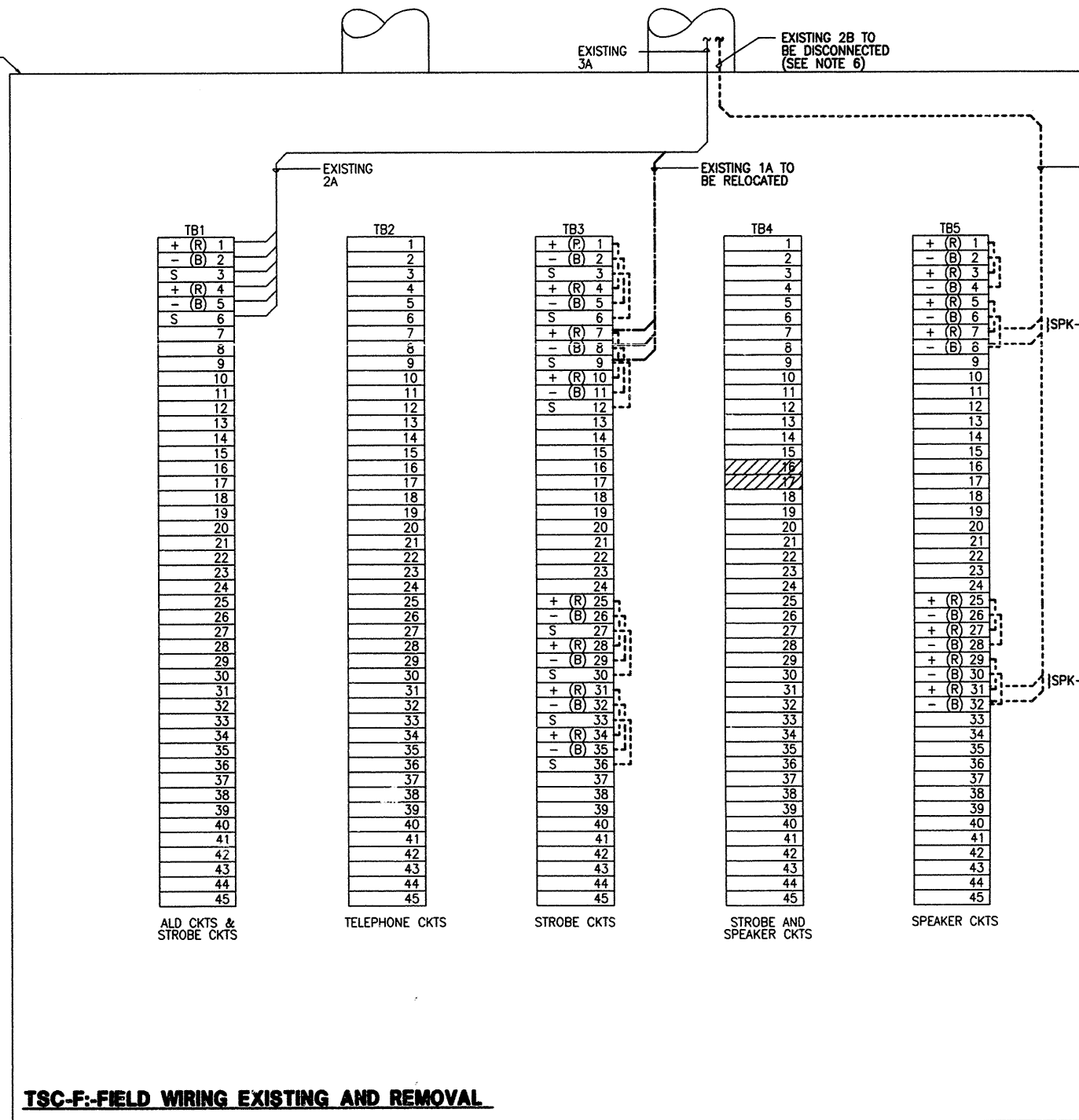
S. FELDSTEIN N. PALACIOS A.S.
Designed by Drawn by Checked by

NOVEMBER 26, 1999
Date

WTC-861.573 E-03-7
Contract Number Drawing Number



TSC-F-SYSTEM WIRING EXISTING AND REMOVAL



TSC-F-FIELD WIRING EXISTING AND REMOVAL